

LIST OF PRIOR ART CITED BY APPLICANT  
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APPLICANT

Johs et al

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GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HP	AA	33733857	12/1994	Wood Ham et al.	356	328	
HP	AB	5666201	9/1997	Johs et al.	356	369	
A	AC	5521706	5/1996	Green et al.	356	369	
AD	AE	5504582	4/1996	Johs et al.	356	369	
AE	AF	5757494	5/1998	Green et al.	356	369	
AF	AG	5956145	9/1999	Green et al.	356	364	
AG	AH	5706212	1/1998	Thompson et al.	356	325	
AH	AI	R 834783	11/1994	Coater	250	372	
AI	AJ	4373817	2/1983	Coater	356	384	
AJ	AK	5045704	9/1991	Coater	250	372	
HP	AK	4647207	3/1987	Björk et al	356	369	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
	AL						
	AM						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	<i>JH</i>	DATE CONSIDERED	<i>4/22/06</i>
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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				ATTY. DOCKET NO.	SERIAL NO.		
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HP	AA	4 210410	7/1980	Batten	356	369	
M	AB	4 332476	6/1982	Stenberg et al	356	369	
	AC	4 355903	10/1982	Sundercock	356	632	
	AD	4 838695	6/1989	Manuripiure et al.	356	369	
	AE	4 750822	6/1988	Rosenbaum et al	356	445	
	AF	5 596406	1/1991	Rosenbaum et al	356	327	
	AG	5 442951	8/1991	Gold et al.	356	369	
	AH	2 700918	2/1953	Osterberg et al.			
	AI	3 183763	5/1965	Hoefer			
	AJ	5 963327	10/1999	He et al.	356	369	
HP	AK	5 872630	2/1999	Toh et al.	356	369	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES      NO
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Sheet 3 of 5

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
HP AA	4 053232	10/1997	Dill et al	356	11F		
AB	5946098	8/1999	Johs et al.	356	364		
AC	5963325	10/1999	Johs et al.	356	364		
AD	6084674	7/2000	Johs et al.	356	364		
AE	6084675	7/2000	Hersinser et al.	356	364		
AF	61009F1	8/2000	Johs et al.	356	364		
AG	6118537	9/2000	Johs et al.	356	369		
AH	6141102	10/2000	Johs et al.	356	364		
AI	4556252	12/1985	Methy et al.	350	394		
AJ	5475525	12/1995	Tournoi et al.	359	245		
HP AK	4826321	5/1989	Carter et al.	356	351		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
AL						YES	NO
AM			None				
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
AR							
AS				None			
EXAMINER				DATE CONSIDERED	4/22/06		

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Sheet 4 of 5
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
HP	AA	4 105338	8/1978	Izuroha	357	118	
A	AB	3992104	11/1976	Ueda	357	117	
	AC	5329357	7/1994	Bernou et al.	357	369	
	AD	6268917	7/2001	Joh,	357	369	
	AE	55781350	12/1996	Chen et al.	357	369	
	AF	5608526	3/1997	Pinocha-Carle et al.	357	369	
HP	AG	5596411	11/1991	Fantini et al.	357	369	
	AH						
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	Appln 5518728		Switzerland				
	AM						

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HP  
Paper by Johs, titled "Regression Calibration Method for Rotating Element Ellipsometers", Thin Solid Films, 234 (1993).

Paper, by Gottesfeld et al., titled "Combined Ellipsometer and Reflectometer Measurements of Surface Processes on Nobel Metals Electrodes", Surface Sci., 56 (1976).

Paper by Smith, titled "An Automated Scanning Ellipsometer", Surface Science, Vol. 56, No. 1. (1976).

Papers, by Azzam and Azzam et al. are also identified as concerning alternative approaches to the goal of the present invention, and are titled:

"Multichannel Polarization State Detectors For Time-Resolved Ellipsometry", Thin Solid Film, 234 (1993); and

"Spectrophotopolarimeter Based On Multiple Reflections In A Coated Dielectric Slab", Thin Solid Films 313 (1998); and

"General Analysis And Optimization Of The Four-Detector Photopolarimeter", J. Opt. Soc. Am., A, Vol. 5, No. 5 (May 1988); and

"Accurate Calibration Of Four-Detector Photopolarimeter With Imperfect Polarization Optical Elements", J. Opt. Soc. Am., Vol. 6, No. 10, (Oct. 1989); and

Review paper by Collins, titled "Automatic Rotating Element Ellipsometers: Calibration, Operation and Real-Time Applications", Rev. Sci. Instrum., 61(8) (1990), is identified for general information.

4/22/06